

Product Environmental Profile

IB+ Touch Building Controller



Reference product



> Reference product

animeo IB+ 4 Zone Touch Building Controller

Ref 1860254

> Functional unit

To pilot the shutting downs of connected building, that perform 2.56 cycles of operation per day, depending on weather data from the sensors, 24 hours a day for a 10-year* lifetime.

> References covered

1860254 animeo IB+ 4 Zone Touch Building Controller

1860255 animeo IB+ 8 Zone Touch Building Controller

*Software applications and hardware features are sufficient to not have to change product during 10 years



Materials and substances

All useful measures have been adopted to ensure that the materials used in the composition of the product do not contain any substances banned by the legislation in force at the time of marketing.

Plastics			Metals			Other		
	g	%		g	%		g	%
ABS	71,50	4,8%	Steel	422,10	28,5%	Glass fiber	158,90	10,7%
PC	71,50	4,8%	Copper	67,15	4,5%	Other	13,30	0,9%
Polycarbonates	32,90	2,2%	Ferrites	41,20	2,8%			
Epoxy resin	13,90	0,9%	Tin	36,30	2,5%			
Phenolic resin	9,93	0,7%	Nickel	5,77	0,4%			
EPS	8,60	0,6%	Other	5,54	0,4%	Packaging		
PET	8,06	0,5%				Paper	65,20	4,4%
Other	22,30	1,5%				Carboard	426,00	28,8%
Total mass of reference product: 1 480,1g								
Estimated recyclable content: 53,6%								

> RoHS

All our products comply, on voluntary basis, with the restrictions on substances specified in the RoHS directive.

> REACH

At the date of PEP release, the product doesn't contain, as far as we knew, any substance of the candidate list to authorization of the REACH regulation with a concentration above 0,1% w/w.

Product Environmental Profile

IB+ Touch Building Controller



— Manufacturing

> The devices covered in this PEP are manufactured in a production that have adopted environmental management approach.



— Distribution

The packaging is 100% recyclable. Paper is 100% recycled fibers and cardboard is minimum 50% recycled fibers. Packaging is continuously improved by reducing the amount and using a maximum of recycled material.



— Installation

> Installation elements

The installation of the animeo IB+ Touch Building Controller requires a wall mounting box that is not delivered with the product.
The animeo Touch Buco Flush Mounting Box Ref: 9019837 is included in this phase.

> Installation processes

There is no installation process.

> Energy model

No



— Use

> This is an Active product from category 2

> For the considered scenario, the product has an active power of 6.6W in manual operation mode without screen saver, during 5.0% of the time and an active power of 4.5W without any manipulation but with screen saver mode during 95.0% of the time. This corresponds to an energy consumption of 403.4kWh for the lifetime of 10 years.

> Energy model of the use phase: Europe mix

> Consumables and maintenance: None



— End of life

> Typical transport conditions

Considering the complexity and the lack of knowledge of the electric and electronic recycling channel and processes all around the world, we considered:

- 1000 km of transport
- Landfilling treatment of the product
- Waste treatment of the battery and Liquid Crystal Display

> Energy model

European mix

Product Environmental Profile

IB+ Touch Building Controller



Environmental impacts

Evaluation of the environmental impact covers the following life cycle stages: manufacturing, distribution, installation, usage and end of life.

All calculations are done with EIME software version 5.6.0.1

Indicators	Global	Unit	Manufacturing	Distribution	Installation	Usage	End of Life
Acidification potential of soil and water	9.66e-1	kg SO ₂ eq	1.24e-1	9.31e-3	7.86e-3	8.24e-1	3.55e-4
Abiotic depletion (elements, ultimate reserves)	5.63e-3	kg antimony eq	5.61e-3	1.19e-8	5.84e-7	1.72e-5	5.04e-9
Abiotic depletion (fossil fuel)	3.84e+3	MJ	1.57e+3	4.17e+0	2.37e+1	2.24e+3	1.18e+0
Air pollution	1.86e+4	m ³	9.80e+3	4.50e+1	2.22e+2	8.51e+3	8.69e+0
Eutrophication	1.18e-1	kg(PO ₄) ³ -eq	6.43e-2	9.18e-4	2.28e-3	4.98e-2	4.83e-4
Global Warming	3.05e+2	kg CO ₂ eq	1.04e+2	3.29e-1	2.35e+0	1.98e+2	3.54e-1
Ozone layer depletion	2.15e-5	CFC-11 eq	8.59e-6	5.63e-10	7.54e-8	1.29e-5	3.25e-9
Photochemical oxidation	6.31e-2	kg C ₂ H ₄ eq	1.66e-2	4.62e-4	7.14e-4	4.53e-2	2.64e-5
Water pollution	1.48e+4	m ³	6.04e+3	4.89e+1	5.36e+2	8.16e+3	2.63e+1
Total Primary Energy	5.40e+3	MJ	1.43e+3	4.20e+0	2.16e+1	3.95e+3	1.03e+0
Net use of freshwater	7.18e+2	m ³	1.55e+0	2.54e-5	1.92e-2	7.17e+2	1.47e-4

> These environmental impacts are applicable to all covered references mentioned on page 1.

Registration number : SOMF-00010-V01.01.EN	Applicable PCR: PCR-ed3-EN-2015 04 02 Supplemented by PSR-0005-ed2-EN-2016 03 29
Accreditation number: VH18	Programme information: www.pep-ecopassport.org
Edition date: 05-2017	Period of validity: 5 years
Independant verification of the declaration and data, according to ISO 14025:2010 Internal <input type="checkbox"/> External <input checked="" type="checkbox"/> Bureau Veritas CODDE	
Document in compliance with ISO 14025:2010: Environmental labels and declarations. Type III environmental declarations.	
PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)	
The elements of the present PEP cannot be compared with elements from another programme	
Somfy contact: Justine ZAWADA, Sustainable Development Engineer, justine.zawada@somfy.com	

